

Serial No.: 09/991,761

Amendment A

Docket N .: PHUS017060US (PII 3340)

16. (Original) A radio frequency receive coil assembly according to claim 15 wherein adjacent quadrature coils in the array are disposed relative to one another such that there is substantially no mutual inductance between the adjacent coils.

*def*  
*6/25/04*

17. (Original) A radio frequency receive coil assembly according to claim <sup>15</sup>~~16~~ wherein there is no overlap between the adjacent coils.

18. (Original) A radio frequency coil assembly according to claim 15 wherein the assembly comprises a surface coil.

19. (Original) A radio frequency coil assembly according to claim 18 wherein the array comprises a two-dimensional array and the circularly polarized resonance signals comprise signals in a direction that is parallel to the array.

20. (Original) A radio frequency coil assembly according to claim 15 wherein the assembly further comprises a radio frequency transmit coil.